

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	169	(704/206).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/11/29 11:42
L2	305	(704/208).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/11/29 11:43
L3	298	speech and (wide\$band same narrow\$band) and (liklihood probability)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L4	0	dolby.as. and johnston.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L5	0	dolby.as. and johnson.in.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L6	167	L3 and hybrid	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L7	51	"union model"	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L8	35	L6 and pre\$process\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L9	484	dolby.as.	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L10	92	("5109417"   "5115240"   "5142656").PN. OR ("5394473").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L11	0	L3 and (sub\$band with liklihood)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L12	22	L9 and sub\$band and (probability confidence liklihood)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48

## EAST Search History

L13	1	L12 and pre\$process\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L14	0	L9 and (sub\$band same liklihood)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L15	73	L9 and sub\$band	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L16	25926	frequency adj filter\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L17	40	"filter bank" adj energ\$3	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L18	0	difference same L17	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L19	7	L17 and L16	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L20	1	"filtered filter bank energies"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L21	0	subtract with L17	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L22	0	subtract same L17	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L23	1	"filtered filter bank energy"	US-PGPUB; USPAT; USOCR	OR	ON	2007/11/29 11:48
L24	5	(sub\$band with (probabilit\$3 likelihood confidence)) and (full\$band with (probabilit\$3 likelihood confidence))	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48
L25	5	L24 and (sub\$band with full\$band)	US-PGPUB; USPAT; EPO; JPO; DERWENT	OR	ON	2007/11/29 11:48

# PATENT FILES (abstract)

File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2007/Jun(Updated 070926)

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File 350:Derwent WPIX 1963-2007/UD=200776

(c) 2007 The Thomson Corporation

File 371:French Patents 1961-2002/BOPI 200209

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Set Items Description

S1 138207 (SPEECH OR VOICE?? OR AUDIO OR SOUND??)(3N)(ELEMENT OR ELEMENTS OR SIGNAL OR SIGNALS)

S2 63 S1(3N)(PRE()PROCESSING)

S3 1844 S1(3N)(RECOGNIZ? OR RECOGNIS?)

S4 3113083 NOISE? OR SIGNAL?? OR CORRUPTION?

S5 112109 SPECTRUM

S6 53677 (S4 OR S5)(3N)(DISTINGUISH OR SEPARAT?)

S7 64270 (S4 OR S5)(3N)(REMOVE OR REMOVES OR REMOVING OR EXTRACT?)

S8 4818731 SUB()BAND?? OR PART OR PARTS

S9 113725 S8(3N)(GENERAT? OR DIVIDE OR DIVIDES OR DIVIDING)

S10 7 (DETERMIN? OR ASSESS? OR EVALUAT?)(3N)(BAND()DEPENDEN?)

S11 1215455 RESULT OR RESULTS

S12 2588 S11(3N)(COMBINE OR COMBINES OR COMBINING OR FUSE?? OR FUSING)

S13 13 (GENERAT? OR PRODUCE OR PRODUCES OR PRODUCING)(3N)(FULL()B-AND??)

S14 22 OVERALL()LIKELIHOOD

S15 4 S14(3N)DETERMIN?

S16 101 AU=(TATO, R? OR TATO R? OR KEMP, T? OR KEMP T? OR ABELLA, - A? OR ABELLA A? OR RAQUEL(2N)TATO OR THOMAS(2N)KEMP OR ANTONI-(2N)ABELLA)

S17 1903 S2 OR S3

S18 205 S17 AND (S6 OR S7)

S19 2 S18 AND S9

S20 0 S18 AND S10

S21 0 S18 AND S12

S22 1 S18 AND S13

S23 0 S18 AND S15

S24 1 S17 AND S13

S25 0 S24 NOT S22

S26 17 S16 AND S1

S27 16 S26 AND IC=G10L?

# PATENT FILES (full text)

File 324:German Patents Fulltext 1967-200745

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File 348:EUROPEAN PATENTS 1978-2007/ 200744

(c) 2007 European Patent Office

File 349:PCT FULLTEXT 1979-2007/UB=20071122UT=20071115

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Set	Items	Description
S1	94563	(SPEECH OR VOICE?? OR AUDIO OR SOUND??)(3N)(ELEMENT OR ELEMENTS OR SIGNAL OR SIGNALS)
S2	92	S1(3N)(PRE()PROCESSING)
S3	1317	S1(3N)(RECOGNIZ? OR RECOGNIS?)
S4	1388387	NOISE? OR SIGNAL?? OR CORRUPTION?
S5	235306	SPECTRUM
S6	69727	(S4 OR S5)(3N)(DISTINGUISH OR SEPARAT?)
S7	49413	(S4 OR S5)(3N)(REMOVE OR REMOVES OR REMOVING OR EXTRACT?)
S8	2974024	SUB()BAND?? OR PART OR PARTS
S9	38730	S8(3N)(GENERAT? OR DIVIDE OR DIVIDES OR DIVIDING)
S10	4	(DETERMIN? OR ASSESS? OR EVALUAT?)(3N)(BAND()DEPENDEN?)
S11	2404105	RESULT OR RESULTS
S12	8972	S11(3N)(COMBINE OR COMBINES OR COMBINING OR FUSE?? OR FUSING)
S13	29	(GENERAT? OR PRODUCE OR PRODUCES OR PRODUCING)(3N)(FULL()BAND??)
S14	116	OVERALL()LIKELIHOOD
S15	5	S14(3N)DETERMIN?
S16	77	AU=(TATO, R? OR TATO R? OR KEMP, T? OR KEMP T? OR ABELLA, - A? OR ABELLA A? OR RAQUEL(2N)TATO OR THOMAS(2N)KEMP OR ANTONI(2N)ABELLA)
S17	1398	S2 OR S3
S18	31	S17(3N)(S6 OR S7)
S19	0	S18(3N)(S9 OR S10 OR S12 OR S13 OR S15)
S20	20	S18 AND IC=G10L?
S21	0	S17(3N)S13
S22	0	S16(3N)S1

# SCI TECH FILES

File 6:NTIS 1964-2007/Dec W2  
(c) 2007 NTIS, Intl Cpyrht All Rights Res

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(c) 2007 Elsevier Eng. Info. Inc.

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(c) 2007 American Mathematical Society

File 256:TecInfoSource 82-2007/Jan  
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File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec  
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File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13  
(c) 2002 The Gale Group

File 603:Newspaper Abstracts 1984-1988  
(c)2001 ProQuest Info&Learning

File 483:Newspaper Abs Daily 1986-2007/Nov 27  
(c) 2007 ProQuest Info&Learning

File 248:PIRA 1975-2007/Oct W3  
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Set Items Description

S1 76980 (SPEECH OR VOICE?? OR AUDIO OR SOUND??)(3N)(ELEMENT OR ELEMENTS OR SIGNAL OR SIGNALS)

S2 42 S1(3N)(PRE()PROCESSING)

S3 170 S1(3N)(RECOGNIZ? OR RECOGNIS?)

S4 3572468 NOISE? OR SIGNAL?? OR CORRUPTION?

S5 1441275 SPECTRUM

S6 32000 (S4 OR S5)(3N)(DISTINGUISH OR SEPARAT?)

S7 37569 (S4 OR S5)(3N)(REMOVE OR REMOVES OR REMOVING OR EXTRACT?)

S8 3757253 SUB()BAND?? OR PART OR PARTS

S9 15747 S8(3N)(GENERAT? OR DIVIDE OR DIVIDES OR DIVIDING)

S10 2 (DETERMIN? OR ASSESS? OR EVALUAT?)(3N)(BAND()DEPENDEN?)

S11 15019807 RESULT OR RESULTS

S12 23023 S11(3N)(COMBINE OR COMBINES OR COMBINING OR FUSE?? OR FUSING)

S13 29 (GENERAT? OR PRODUCE OR PRODUCES OR PRODUCING)(3N)(FULL()B- AND??)

S14 143 OVERALL()LIKELIHOOD

S15 8 S14(3N)DETERMIN?  
S16 982 AU=(TATO, R? OR TATO R? OR KEMP, T? OR KEMP T? OR ABELLA, -  
A? OR ABELLA A? OR RAQUEL(2N)TATO OR THOMAS(2N)KEMP OR ANTONI-  
(2N)ABELLA)  
S17 212 S2 OR S3  
S18 28 S17 AND (S6 OR S7)  
S19 0 S18 AND (S9 OR S10 OR S12 OR S13 OR S15)  
S20 9 S18 NOT PY>2003  
S21 7 RD (unique items)  
S22 0 S17 AND S13  
S23 68388 S6 OR S7  
S24 26 S23 AND S9  
S25 0 S24 AND (S10 OR S12 OR S13 OR S15)  
S26 26 S24 NOT S21  
S27 17 RD (unique items)  
S28 13 S27 NOT PY>2003  
S29 10 S16 AND S1  
S30 8 RD (unique items)  
?

# BUSINESS FILES

File 9:Business & Industry(R) Jul/1994-2007/Nov 20  
(c) 2007 The Gale Group

File 15:ABI/Inform(R) 1971-2007/Nov 28  
(c) 2007 ProQuest Info&Learning

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(c) 1999 Business Wire  
File 813:PR Newswire 1987-1999/Apr 30  
(c) 1999 PR Newswire Association Inc

Set	Items	Description
S1	67950	(SPEECH OR VOICE?? OR AUDIO OR SOUND??)(3N)(ELEMENT OR ELEMENTS OR SIGNAL OR SIGNALS)
S2	4	S1(3N)(PRE()PROCESSING)
S3	176	S1(3N)(RECOGNIZ? OR RECOGNIS?)
S4	3593683	NOISE? OR SIGNAL?? OR CORRUPTION?
S5	1025068	SPECTRUM
S6	14059	(S4 OR S5)(3N)(DISTINGUISH OR SEPARAT?)
S7	11425	(S4 OR S5)(3N)(REMOVE OR REMOVES OR REMOVING OR EXTRACT?)
S8	20347814	SUB(BAND?? OR PART OR PARTS
S9	58511	S8(3N)(GENERAT? OR DIVIDE OR DIVIDES OR DIVIDING)
S10	0	(DETERMIN? OR ASSESS? OR EVALUAT?)(3N)(BAND()DEPENDEN?)
S11	19870879	RESULT OR RESULTS
S12	18401	S11(3N)(COMBINE OR COMBINES OR COMBINING OR FUSE?? OR FUSING)
S13	17	(GENERAT? OR PRODUCE OR PRODUCES OR PRODUCING)(3N)(FULL()B-AND??)
S14	417	OVERALL()LIKELIHOOD
S15	4	S14(3N)DETERMIN?
S16	934	AU=(TATO, R? OR TATO R? OR KEMP, T? OR KEMP T? OR ABELLA, -A? OR ABELLA A? OR RAQUEL(2N)TATO OR THOMAS(2N)KEMP OR ANTONI-(2N)ABELLA)
S17	180	S2 OR S3
S18	2	S17(3N)(S6 OR S7)
S19	0	S17(3N)(S9 OR S10 OR S12 OR S13 OR S15)
S20	25176	S6 OR S7
S21	1	S20(3N)(S9 OR S10 OR S12 OR S13 OR S15)
S22	0	S16(3N)S1
	?	